(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
12 April 2001 (12.04.2001)

PCT

(10) International Publication Number
WO 01/25057 A1

(51) International Patent Classification[7]: B60R 21/01

(21) International Application Number: PCT/SE00/01920

(22) International Filing Date: 5 October 2000 (05.10.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
9923527.7 5 October 1999 (05.10.1999) GB

(71) Applicant *(for all designated States except US)*: AUTOLIV DEVELOPMENT AB [SE/SE]; S-447 83 Vårgårda (SE).

(72) Inventor; and
(75) Inventor/Applicant *(for US only)*: GIORDANO, François [FR/FR]; 56, rue de Boulainvilliers, F-75016 Paris (FR).

(74) Agent: MEULLER, Erik; Autoliv Development AB, S-447 83 Vårgårda (SE).

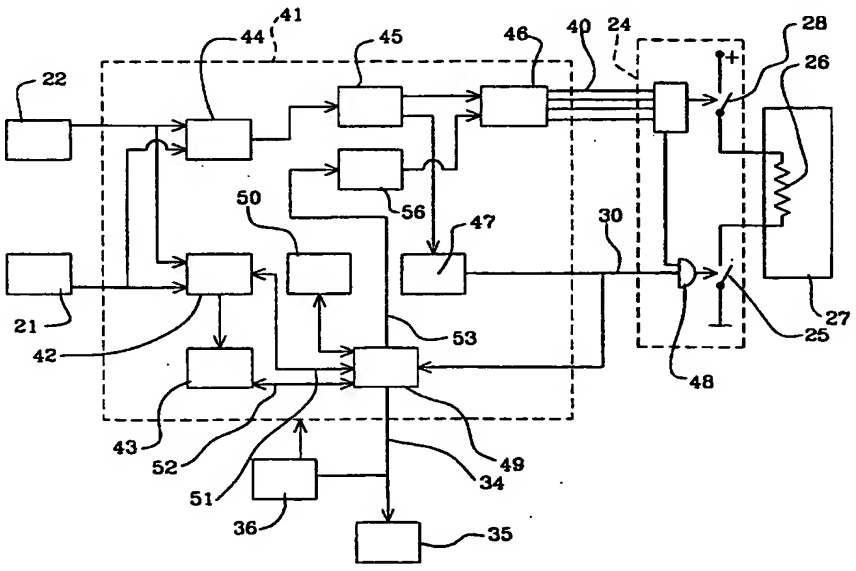
(81) Designated States *(national)*: JP, US.

(84) Designated States *(regional)*: European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).

Published:
— *With international search report.*
— *Before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments.*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: IMPROVEMENTS IN OR RELATING TO A VEHICLE SAFETY ARRANGEMENT



(57) Abstract: A safety arrangement for a motor vehicle, comprises sensor (21, 22) to sense acceleration and a control system to control a triggering circuit (24) which is adapted to actuate or deploy a safety device in the form of an air-bag (27). The control system incorporates a processor (23) which has an input for activating a non-maskable interrupt (NMI) routine (31). An utput (30) from the processor (23) which carries a command signal generated by the processor in response to a predetermined output from the sensors (21, 22) is connected an input which activates the NMI routine (31). The routine is designed to determine whether there are hardware and/or software thoughts that may invalidate the command, and to interrupt actuation or deployment of the safety device if any such fault is detected.

WO 01/25057 A1